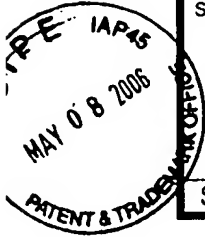


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Substitute for form 1449PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 13

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| Application Number | 10/661,415 |
| Filing Date | September 12, 2003 |
| First Named Inventor | Andrew Vaillant et al. |
| Art Unit | 1648 |
| Examiner Name | Sharon L. HURT |
| Attorney Docket Number | 16051-BUS CC |

U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number Number - Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|---|--------------------------------|--|--|
| SH | | US-5,563,050 | | | |
| SH | | US-6,506,559 | | | |
| SH | | US-5,023,252 | | | |
| SH | | US-5,580,859 | | | |
| SH | | US-4,806,463 | | | |
| SH | | US-5,248,670 | | | |
| SH | | US-5,591,720 | | | |
| SH | | US-5,952,490 | | | |
| SH | | US-5,998,602 | | | |
| SH | | US-6,184,369 | | | |
| SH | | US-5,264,423 | | | |
| SH | | US-5,276,019 | | | |
| SH | | US-6,316,190 | | | |
| SH | | US-5,218,103 | | | |
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| SH | | US-5,452,496 | | | |
| SH | | US-5,278,302 | | | |
| SH | | US-5,750,666 | | | |
| SH | | US-5,602,244 | | | |
| SH | | US-5,508,270 | | | |

FOREIGN PATENT DOCUMENTS

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|--------------------|-----------------------|--|--------------------------------|--|--|----|
| SH | | WO 03/02903 | | | | |
| SH | | WO 99/32619 | | | | |
| SH | | WO 01/75164 | | | | |
| SH | | WO 92/03051 | | | | |
| SH | | WO 94/17093 | | | | |
| SH | | WO 94/02499 | | | | |
| SH | | WO 94/26764 | | | | |
| SH | | WO 97/13499 | | | | |

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| Examiner Signature | Sharon Hurt | Date Considered | 1/16/2007 |
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| | | | | Application Number | 10/661,415 |
| | | | | Filing Date | September 12, 2003 |
| | | | | First Named Inventor | Andrew Vaillant et al. |
| | | | | Art Unit | 1648 |
| Examiner Name | Sharon L. HURT | | | | |
| Sheet | 2 | of | 13 | Attorney Docket Number | 16051-BUS CC |

| U.S. PATENT DOCUMENTS | | | | | |
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| | | Number - Kind Code ² (if known) | | | |
| SH | | US-4,469,863 | | | |
| SH | | US-5,610,289 | | | |
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| SH | | US-5,366,878 | | | |
| SH | | US-5,476,925 | | | |
| SH | | US-5,023,243 | | | |
| SH | | US-5,130,302 | | | |
| SH | | US-5,177,198 | | | |
| SH | | US-5,378,825 | | | |
| SH | | US-5,386,023 | | | |
| SH | | US-5,489,677 | | | |
| SH | | US-5,264,562 | | | |
| SH | | US-5,264,564 | | | |
| SH | | US-5,223,618 | | | |
| SH | | US-5,770,713 | | | |
| SH | | US-5,543,152 | | | |
| SH | | US-4,426,330 | | | |
| SH | | US-4,534,899 | | | |
| SH | | US-5,705,188 | | | |
| SH | | US-5,013,556 | | | |

| FOREIGN PATENT DOCUMENTS | | | | | |
|--------------------------|--------------------------|--|--------------------------------|--|--|
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| | | Country Code 3 - Number 4 - Kind Code 5 (if known) | | | |
| SH | | WO 90/04384 | | | |
| SH | | WO 97/30731 | | | |
| SH | | EP 0 496 813 B1 | | | |
| SH | | EP 0 445 131 B1 | | | |
| SH | | WO 91/05545 | | | |
| SH | | WO 94/20073 | | | |
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| Examiner Signature | Sharon Hurt | Date Considered | 1/16/2007 |
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| | | | First Named Inventor | Andrew Vaillant et al. | |
| | | | Art Unit | 1648 | |
| | | | Examiner Name | Sharon L. HURT | |
| Sheet | 3 | of | 13 | Attorney Docket Number | 16051-8US CC |

| U.S. PATENT DOCUMENTS | | | | | |
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| | | Number - Kind Code ² (if known) | | | |
| SH | | US-5,356,633 | | | |
| SH | | US-5,213,804 | | | |
| SH | | US-5,225,212 | | | |
| SH | | US-5,540,935 | | | |
| SH | | US-5,556,948 | | | |
| SH | | US-6,316,190 | | | |
| SH | | US-5,264,221 | | | |
| SH | | US-5,665,710 | | | |
| SH | | US-4,806,463 | | | |
| SH | | US-5,248,670 | | | |
| SH | | US-5,695,979 | | | |
| SH | | US-5,591,623 | | | |
| SH | | US-5,514,788 | | | |
| SH | | US-5,652,355 | | | |
| SH | | US-6,143,881 | | | |
| SH | | US-6,346,614 | | | |
| SH | | US-5,591,721 | | | |
| SH | | US-6,608,035 | | | |
| SH | | US-3,687,808 | | | |
| SH | | US-5,625,050 | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|--------------------------|---|--------------------------------|--|--|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear | T ² |
| | | Country Code3 - Number4 - Kind Code5 (if known) | | | | |
| SH | | WO 99/14226 | | | | |
| SH | | WO 96/40062 | | | | |
| SH | | WO 97/04787 | | | | |
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| | | | | First Named Inventor | Andrew Vaillant et al. |
| | | | | Art Unit | 1648 |
| | | | | Examiner Name | Sharon L. HURT |
| | | | | Attorney Docket Number | 16051-8US CC |
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| Examiner Signature | <i>Sharon Hunt</i> | Date Considered | <i>1/16/2007</i> |
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| | | | Art Unit | 1648 | |
| | | | Examiner Name | Sharon L. HURT | |
| Sheet | 5 | of | 13 | Attorney Docket Number | 16051-8US CC |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T ² |
| SH | | ADJOU <i>et al.</i> , "A novel generation of heparan sulfate mimetics for the treatment of prion diseases", 2003, <i>J. Gen. Virol.</i> 84:2595-2603. | |
| SH | | AGRAWAL, "Importance of nucleotide sequence and chemical modifications of antisense oligonucleotides", 1999, <i>Biochim. Biophys. Acta</i> 1489:53-68. | |
| SH | | AGRAWAL and KANDIMALLA, "Antisense therapeutics: is it as simple as complementary base recognition?", 2000, <i>Mol. Med. Today</i> 6:72-81. | |
| SH | | AKHTAR <i>et al.</i> , "The delivery of antisense therapeutics", 2000, <i>Advanced Drug Delivery Reviews</i> 44:3-21. | |
| SH | | ALLAKHVERDI <i>et al.</i> , "Inhibition of Antigen-induced Eosinophilia and Airway Hyperresponsiveness by Antisense Oligonucleotides Directed against the Common β Chain of IL-3, IL-5, GM-CSF Receptors in a Rat Model of Allergic Asthma", 2002, <i>Am. J. Respir. Crit. Care Med.</i> 165:1015-1021. | |
| SH | | ANDREOLA <i>et al.</i> , "DNA aptamers selected against the HIV-1 RNase H display in vitro antiviral activity", 2001, <i>Biochemistry</i> , 40:10087-10094. | |
| SH | | BAKER <i>et al.</i> , "2-O-(2-Methoxy)ethyl-modified Anti-intercellular Adhesion Molecule 1 (ICAM-1) Oligonucleotides Selectively Increase the ICAM-1 mRNA Level and Inhibit Formation of the ICAM-1 Translation Initiation Complex in Human Umbilical Vein Endothelial Cells", 1997, <i>J. Biol. Chem.</i> 272 (18):11994-12000. | |
| SH | | BALL <i>et al.</i> , "Clinical Potential of Respirable Antisense Oligonucleotides (RASONS) in Asthma", 2003, <i>Am. J. Pharmacogenomics</i> 3 (2):97-106. | |
| SH | | BANKS <i>et al.</i> , "Delivery across the Blood-Brain Barrier of Antisense Directed against Amyloid β : Reversal of Learning and Memory Deficits in Mice Overexpressing Amyloid Precursor Protein", 2001, <i>J. Pharmacol. Exp. Ther.</i> 297 (3):1113-1121. | |
| SH | | BARDOS <i>et al.</i> , "Structure-Activity Relationships and Mode of Action of 5-Mercapto-Substituted Oligo- and Polynucleotides as Antitemplates Inhibiting Replication of Human Immunodeficiency Virus Type 1", 1992, <i>Antimicrob. Agents and Chemother.</i> 36 (1):108-114. | |

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| Examiner Signature | Sharon Hurt | Date Considered | 1/16/2007 |
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| | | | | Art Unit | 1648 |
| | | | | Examiner Name | Sharon L. HURT |
| Sheet | 6 | of | 13 | Attorney Docket Number | 16051-8US CC |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|--|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T ² |
| SH | | BARRET <i>et al.</i> , "Evaluation of Quinacrine Treatment for Prion Diseases", 2003, <i>J. of Virol.</i> 77 (15):8462-8469. | |
| SH | | BATE <i>et al.</i> , "Squalestatin Cures Prion-infected Neurons and Protects Against Prion Neurotoxicity", 2004, <i>J. of Biol. Chem.</i> 279 (15):14983-14990. | |
| SH | | BOUSSIF <i>et al.</i> , "A versatile Vector for Gene and Oligonucleotide Transfer into Cells in Culture and in vivo: Polyethylenimine", 1995, <i>Proc. Natl. Acad. Sci. USA.</i> 92 (16):7297-7301. | |
| SH | | BRIGGER <i>et al.</i> , "Poly(ethylene glycol)-Coated Hexadecylcyanoacrylate Nanospheres Display a Combined Effect for Brain Tumor Targeting", 2002, <i>J. Pharmacol. Exp. Ther.</i> 303 (3):928-936. | |
| SH | | CASPER, "Discovery of a Novel Target for Potential Cancer Therapy", Joint Bayer Science Forum - ACS November 24 th Dinner Meeting. 2003, The FILTERPAPER, Andy Edelbrock Bayer Corporation, page 3 (abstract). | |
| SH | | CAUGHEY <i>et al.</i> , "Sulfated Polyanion Inhibition of Scrapie-Associated PrP Accumulation in Cultured Cells", 1993, <i>J. Virol.</i> 67 (2):643-650. | |
| SH | | CHEN <i>et al.</i> , "Antisense Oligonucleotides Demonstrate a Dominant Role of c-Ki-RAS Proteins in Regulating the Proliferation of Diploid Human Fibroblasts", 1996, <i>J. Biol. Chem.</i> 271 (45):28259-28265. | |
| SH | | CHEONG <i>et al.</i> , "Structure of Influenza virus panhandle RNA studied by NMR spectroscopy and molecular modeling", 1999, <i>Nuc. Acids. Res.</i> 27 (5): 1392-1397. | |
| SH | | CHIANG <i>et al.</i> , "Antisense Oligonucleotides Inhibit Intercellular Adhesion Molecule 1 Expression by Two Distinct Mechanisms", 1991, <i>J. Biol. Chem.</i> 266 (27):18162-18171. | |
| SH | | CIOFFI <i>et al.</i> , "Selective Inhibition of A-Raf and C-Raf mRNA Expression by Antisense Oligodeoxynucleotides in Rat Vascular Smooth Muscle Cells: Role of A-Raf and C-Raf in Serum-Induced Proliferation", 1997, <i>Mol. Pharmacol.</i> 51:383-389. | |

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| Examiner Signature | Sharon Hurt | Date Considered | 1/16/2007 |
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| SH | | CROOKE et al., "In Vitro Toxicological Evaluation of ISIS 1082, a Phosphorothioate Oligonucleotide Inhibitor of Herpes Simplex Virus", 1992, <i>Antimicrob. Agents Chemother.</i> 36 (3):527-532. | |
| SH | | DASS, "Vehicles for oligonucleotide delivery to tumours", 2002, <i>Journal of Pharmacy and Pharmacology</i> 54:3-27. | |
| SH | | DASS, "Liposome-Mediated Delivery of Oligodeoxynucleotides In Vivo", 2002, <i>Drug Delivery</i> , 9:169-180. | |
| SH | | DHEUR et al., "Polyethylenimine but Not Cationic Lipid Improves Antisense Activity of 3'-Capped Phosphodiester Oligonucleotides", 1999, <i>Antisense & Nucleic Acid Drug Development</i> , 9:515-525. | |
| SH | | DOH-URA et al., "Treatment of Transmissible Spongiform Encephalopathy by Intraventricular Drug Infusion in Animal Models", 2004, <i>J. Virol.</i> 78 (10):4999-5006. | |
| SH | | ELBASHIR et al., "RNA interference is mediated by 21- and 22-nucleotide RNAs", 2001, <i>Genes & Development</i> 15:188-200. | |
| SH | | ELBASHIR et al., "Duplexes of 21-nucleotide RNAs mediate RNA interference in cultured mammalian cells", 2001, <i>Nature</i> 411:494-498. | |
| SH | | FINOTTO et al., "Local administration of antisense phosphorothioate oligonucleotides to the c-kit ligand, stem cell factor, suppresses airway inflammation and IL-4 production in a murine model of asthma", 2001, <i>J. Allergy Clin. Immunol.</i> 107 (2):279-286. | |
| SH | | FISSET et al., "Modulation of allergic response in nasal mucosa by antisense oligodeoxynucleotides for IL-4", 2003, <i>J. Allergy Clin. Immunol.</i> 111 (3):580-586. | |
| SH | | GARRETT et al., "In vivo use of oligonucleotides to inhibit choroidal neovascularisation in the eye", 2001, <i>J. Gene Med.</i> 3:373-383. | |

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| Examiner Signature | <i>Sharon Hurt</i> | Date Considered | 1/16/2007 |
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| | | | Filing Date | September 12, 2003 |
| | | | First Named Inventor | Andrew Vaillant et al. |
| | | | Art Unit | 1648 |
| | | | Examiner Name | Sharon L. HURT |
| | | | Attorney Docket Number | 16051-8US CC |
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| SH | | GORLACH <i>et al.</i> , "Antisense repression in <i>Cryptococcus neoformans</i> as a laboratory tool and potential antifungal strategy", 2002, <i>Microbiology</i> 148:213-219. | |
| SH | | GRIGORIEV <i>et al.</i> , "Effects of the polyene antibiotic derivative MS-8209 on the astrocyte lysosomal system of scrapie-infected hamsters", 2002, <i>J. Mol. Neurosci.</i> 18:271-281. | |
| SH | | HARBOTH <i>et al.</i> , "Identification of essential genes in cultured mammalian cells using small interfering RNAs", 2001, <i>Journal of Cell Science</i> 114 (24) 4557-4565. | |
| SH | | HORVATH <i>et al.</i> , "Potent inhibition of HIV-1 entry by (s ⁴ dU) ₃₅ ", 2005, <i>Virology</i> 334:214-223. | |
| SH | | HUGHES <i>et al.</i> , "The cellular delivery of antisense oligonucleotides and ribozymes", 2001, <i>Drug Discovery Today</i> . 6 (6) :303-315. | |
| SH | | HUWYLER <i>et al.</i> , "Brain drug delivery of small molecules using immunoliposomes", 1996, <i>Proc. Natl. Acad. Sci. USA</i> 93:14164-14169. | |
| SH | | INOUE <i>et al.</i> , "Synthesis and properties of novel nucleic acid probes", 1985, <i>Symposium Series - Nucleic Acids Research</i> No. 16:165-168. | |
| SH | | INOUE <i>et al.</i> , "Sequence-dependent hydrolysis of RNA using modified oligonucleotide splints and RNase H", 1987, <i>FEBS Letters</i> 215 (2) :327-330. | |
| SH | | JAASKELAINEN <i>et al.</i> , "A lipid carrier with a membrane active component and a small complex size are required for efficient cellular delivery of anti-sense phosphorothioate oligonucleotides", 2000, <i>European Journal of Pharmaceutical Sciences</i> 10:187-193. | |
| SH | | KANAGARATNAM <i>et al.</i> , "Malaria merozoite surface protein antisense oligodeoxynucleotides lack antisense activity but function as polyanions to inhibit red cell invasion", 1998, <i>Int. J. Biochem. Cell Biol.</i> 30:979-985. | |
| SH | | KOCISKO <i>et al.</i> , "New Inhibitors of Scrapie-Associated Prion Protein Formation in a Library of 2,000 Drugs and Natural Products", 2003, <i>J. Virol.</i> 77 (19) :10288-10294. | |

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| SH | | KOSTER <i>et al.</i> , "Emerging therapeutic agents for transmissible spongiform encephalopathies: a review", 2003, <i>J. Vet Pharmacol. Ther.</i> 26:315-26. | |
| SH | | KURRECK, "Antisense technologies. Improvement through novel chemical modifications", 2003, <i>Eur. J. Biochem.</i> 270:1628-1644. | |
| SH | | KUWASAKI <i>et al.</i> , "Inhibition of human immunodeficiency virus 1 replication <i>in vitro</i> by a self-stabilized oligonucleotide with 2'-O-methyl-guanosine-uridine quadruplex motifs", 2003, <i>J. Antimicrob. Chemother.</i> 51:813-819. | |
| SH | | LAU <i>et al.</i> , "Abrogation of c-Raf expression induces apoptosis in tumor cells", 1998, <i>Oncogene</i> 16:1899-1902. | |
| SH | | LEUNG and SHAH, in: <i>Controlled Release of drugs: Polymers and aggregate systems</i> , Rosoff, M., Ed., 1989, VCH Publishers, New York, pages 185-215. | |
| SH | | LUO <i>et al.</i> , "Inhibition of influenza viral polymerases by minimal viral RNA decoys", 1997, <i>J. Gen. Virol.</i> 78: 2329-2333. | |
| SH | | de MERGNY <i>et al.</i> , "Kinetics and thermodynamics of i-DNA formation: phosphodiester versus modified oligodeoxynucleotides", 1998, <i>Nucleic Acids Res.</i> 26 (21): 4797-4803. | |
| SH | | de MONBRISON <i>et al.</i> , "Introducing antisense oligonucleotides into <i>Pneumocystis carinii</i> ", 2002, <i>J. Microbiol. Methods</i> 50:211-213. | |
| SH | | MONIA <i>et al.</i> , "Evaluation of 2'-Modified Oligonucleotides Containing 2'-Deoxy Gaps as Antisense Inhibitors of Gene Expression", 1993, <i>J. Biol. Chem.</i> 268 (19) :14514-14522. | |
| SH | | MORASSUTTI <i>et al.</i> , "Effect of phosphorothioate modifications on the ability of GTn oligodeoxynucleotides to specifically recognize single-stranded DNA-binding proteins and to affect human cancer cellular growth" 1999, <i>Biochimie</i> 81:1115-1122. | |

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| SH | | MOU and GRAY, "The high binding affinity of phosphorothioate-modified oligomers for Ff gene 5 protein is moderated by the addition of C-5 propyne or 2'-O-methyl modifications", 2002, <i>Nucleic Acids Res.</i> 30 (3):749-758. | |
| SH | | NAKAJIMA et al., "Results of Quinacrine Administration to Patients with Creutzfeldt-Jakob Disease", 2004, <i>Dement. Geriatr. Cogn. Disord.</i> 17:158-163. | |
| SH | | NOGUCHI et al., "Remarkable induction of apoptosis in cancer cells by a novel cationic liposome complexed with a bcl-2 antisense oligonucleotide", 2003, <i>Journal of Controlled Release</i> 88:313-320. | |
| SH | | NOONPAKDEE et al., "Inhibition of <i>Plasmodium falciparum</i> proliferation in vitro by antisense oligodeoxynucleotides against malarial topoisomerase II", 2003, <i>Biochem. and Biophys. Res. Commun.</i> 302:659-664. | |
| SH | | O'BRIEN et al., "Antisense BCR-ABL Oligomers Cause Non-Specific Inhibition of Chronic Myeloid Leukemia Cell Lines", 1994, <i>Leukemia</i> 8 (12):2156-2162. | |
| SH | | OMORI et al., "Targeting of post-ischemic cerebral endothelium in rat by liposomes bearing polyethylene glycol-coupled transferrin", 2003, <i>Neurol. Res.</i> 25:275-279. | |
| SH | | Orum et al., "Locked nucleic acids: A promising molecular family for gene-function analysis and antisense drug development", 2001, <i>Current Opinion in Molecular Therapeutics</i> 3 (3):239-243. | |
| SH | | PAN et al., "Isolation of virus-neutralizing RNAs from a large pool of random sequences", 1995, <i>Proc. Natl. Acad. Sci. USA</i> 92:11509-11513. | |
| SH | | PAPUCCI et al., "Phosphodiester Oligonucleotides Inhibit Mitosis and Trigger Apoptosis by a Non-Antisense, p53-Mediated Mechanism", 2002, <i>Antisense & Nucleic Acid Drug Development</i> 12:21-31. | |
| SH | | PEREZ et al., "Sequence-independent induction of Sp1 transcription factor activity by phosphorothioate oligodeoxynucleotides", 1994, <i>Proc. Natl. Acad. Sci. USA</i> 91:5957-5961. | |
| SH | | POLI et al., "In vitro Evaluation of the Anti-prionic Activity of Newly Synthesized Congo Red Derivatives", 2003, <i>Arzneim.-Forsch./Drug Res.</i> 53 (12):875-888. | |

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| SH | | PRIOLA et al., "Porphyrin and Phthalocyanine Antiscrapie Compounds", 2000, <i>Science</i> 287: 1503-1506. | |
| SH | | PROSKE et al., "Prion-Protein-Specific Aptamer Reduces PrP ^{Sc} Formation", 2002, <i>Chemic. Biol.Chem.</i> 3:717-725. | |
| SH | | RAMAZEILLES et al., "Antisense phosphorothioate oligonucleotides: Selective killing of the intracellular parasite <i>Leishmania amazonensis</i> ", 1994, <i>Proc. Natl. Acad. Sci. USA</i> 91:7859-7863. | |
| SH | | RHIE et al., "Characterization of 2'-fluoro-RNA aptamers that bind preferentially to disease-associated conformations of prion protein and inhibit conversion", 2003, <i>J. Biol. Chem.</i> , 278 (41):39697-39705. | |
| SH | | Rieger, in: <i>Pharmaceutical Dosage Forms</i> , Lieberman, Rieger and Banker (Eds), 1988, Marcel Dekker, INC., New York, NY, Vol. 1, pp. 285-366 | |
| SH | | ROH et al., "Down-Regulation of HER2/neu Expression Induces Apoptosis in Human Cancer Cells That Overexpress HER2/neu", 2000, <i>Cancer Research</i> 60:560-565. | |
| SH | | ROSOFF, in: <i>Pharmaceutical Dosage Forms</i> , Lieberman, Rieger and Banker (Eds), 1988, Marcel Dekker, INC., New York, NY, Vol. 1, pp.245-282. | |
| SH | | SCHMIDT et al., "Drug targeting by long-circulating liposomal glucocorticosteroids increases therapeutic efficacy in a model of multiple sclerosis", 2003, <i>Brain</i> 126 :1895-1904. | |
| SH | | SHYNG et al., "Sulfated Glycans Stimulate Endocytosis of the Cellular Isoform of the Prion Protein, PrP ^C , in Cultured Cells", 1995, <i>J. Biol. Chem.</i> 270 (50) :30221-30229. | |
| SH | | SIERAKOWSKA et al., "Repair of thalassemic human β -globin mRNA in mammalian cells by antisense oligonucleotides", 1996, <i>Proc. Natl. Acad. Sci. USA</i> 93:12840-12844. | |

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| SH | | SUPATTAPONE et al., "Branched Polyamines Cure Prion-Infected Neuroblastoma Cells", 2001, <i>J. Virol.</i> 75 (7):3453-3461. | |
| SH | | TCHATALBACHEV et al., "The packaging signal of influenza viral RNA molecules", 2001, <i>RNA</i> 7: 979-989. | |
| SH | | UHLMANN and PEYMAN, "Antisense Oligonucleotides: A New Therapeutic Principle", 1990, <i>Chemical Reviews</i> 90 (4):544-584. | |
| SH | | VAN DEVENTER et al., "A randomised, controlled, double blind, escalating dose study of alicaforsen enema in active ulcerative colitis", 2004, <i>Gut</i> . 53:1646-1651. | |
| SH | | VINOGRADOV et al., "Nanogels for Oligonucleotide Delivery to the Brain", 2004, <i>Bioconjug. Chem.</i> 15:50-60. | |
| SH | | WANG et al., "Sequence-independent Inhibition of In Vitro Vascular Smooth Muscle Cell Proliferation, Migration, and In Vivo Neointimal Formation by Phosphorothioate Oligodeoxynucleotides", 1996, <i>J. Clin. Invest.</i> 98 (2):443-450. | |
| SH | | WHITE et al., "Inhibition of the Multiple Antibiotic Resistance (<i>mar</i>) Operon in <i>Escherichia coli</i> by Antisense DNA Analogs", 1997, <i>Antimicrobial Agents and Chemotherapy</i> 41 (12):2699-2704. | |
| SH | | WHITE et al., "Development of novel methods for delivering therapeutic oligonucleotides to the central nervous system", 2003, <i>Society for Neuroscience</i> , Program #325.5, Abstract. | |
| SH | | WHITE et al., "Antisense oligonucleotide treatments for psoriasis", 2004, <i>Expert. Opin. Biol. Ther.</i> 4(1):75-81. | |

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| SH | | XU et al., "Inhibition of DNA Replication and Induction of S Phase Cell Cycle Arrest by G-rich Oligonucleotides", 2001, <i>The Journal of Biological Chemistry</i> 276 (46):43221-43230. | |
| SH | | YANG et al., "Construction and selection of bead-bound combinatorial oligonucleoside phosphorothioate and phosphorodithioate aptamer libraries designed for rapid PCR-based sequencing", 2002, <i>Nucl. Acids Res.</i> 30 (23):1-8. | |
| SH | | YU et al., "Hybrid Oligonucleotides: Synthesis, Biophysical Properties, Stability Studies, and Biological Activity", 1996, <i>Bioorganic. Med. Chem.</i> 4 (10):1685-1692. | |
| SH | | YU et al., "Prediction of Clinical Responses in a Simulated Phase III Trial of Crohn's Patients Administered the Antisense Phosphorothioate Oligonucleotide ISIS 2302: Comparison of Proposed Dosing Regimens", 2003, <i>Antisense Nucleic Acid Drug Dev.</i> 13:57-66. | |
| SH | | ZELLWEGER et al., "Antitumor Activity of Antisense Clusterin Oligonucleotides Is Improved in Vitro and in Vivo by Incorporation of 2'-O-(2-Methoxy)Ethyl Chemistry", 2001, <i>J. Pharmacol. and Experimental Therapeutics</i> 298 (3):934-940. | |
| SH | | ZHANG et al., "A Simple Glycol Nucleic Acid", 2005, <i>J. Am. Chem. Soc.</i> 127:4174-4175. | |
| SH | | ZHANG et al., "The Study on Brain Targeting of the Amphotericin B Liposomes", 2003, <i>J. Drug. Target.</i> 11 (2):117-122. | |
| SH | | ZHANG et al., "Global Non-Viral Gene Transfer to the Primate Brain Following Intravenous Administration", 2003, <i>Mol. Ther.</i> 7 (1):11-18. | |
| SH | | <i>The Concise Encyclopedia of Polymer Science and Engineering</i> , Jacqueline I. Kroschwitz, 1998, ISBN: 0-471-31856-6, 1341 pages, pp. 858-859. | |
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